

The Standard



ENGINE LOG

MANUFACTURER _____

SERIAL _____

THIS ENGINE IS CURRENTLY _____

MINIMUM OCTANE FUEL _____

MAGNETO TIME _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVER _____

REMANUFACTURED ZERO TIME ENGINE CERTIFICATE

This is to certify that the engine as described hereafter has been run-in and tested as prescribed by AVCO Lycoming Specifications and Federal Aviation Regulations. No further run-in after installation is required. All applicable Airworthiness Directives and factory Bulletins complied with at time of remanufacture.

Model IO-360-A1A Serial No. L-2141-51A

Date Shipped August 22, 19 67

Authorized representative J. Kistner

AVCO Lycoming Factory Service Department
Form No. 776-C



LYCOMING DIVISION - WILLIAMSPORT, PA. 17701



ENGINE LOG

3413X

8/31/67

ENGINE LOG

DATE NUMBER OF
SPECIFIC ENTRIES.)

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hours	Min.	Hours	Min.	Hours	Min.			
TACH READS			605:20 HRS.		TOTAL AIRFRAME TIME			1300:86 HRS.			
ENG TIME			00:00 HRS								
INSTALLED REMANUFACTURED ENG. SER# L-2141-51A THIS DATE. ALL ASSEC. NEW OR OVERHAULCD. GROUND RUN-UP CK. O.K. AD NOTE 67-22-6 P/C/W.										I CERTIFY THAT THIS ENGINE..... HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR..... INSPECTION AND WAS DETERMINED TO BE IN AIR-WORTHY CONDITION.	
I CERTIFY THIS ENGINE TO BE AIRWORTHY THIS DATE. TEXACO #50 NON-DETERGENT										DATE 8/31/67 TOTAL HOURS 00:00 1671130 Bruce S. Glavin.	
BROUGHT FORWARD										A & P No.	
TOTALS										NAME	
Bruce S. Glavin. 1671130										ROACH AIRCRAFT INC. BROOMFIELD, COLORADO	

(over)

DATE

19__

ENGINE LOG

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ER OF
TRIES.)

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hours	Min.	Hours	Min.	Hours	Min.			
10/2/67	Replaced Generator 50A 3003 with Generator 50A 8217 + Volt Regulator 1119 224C 12UN 5K with New VOLT. Regulator 1119 224C 12UN 6G, this Date. Due to bad Voltage Reg. Volt meter showed discharge at all times										
	Ross E. Rush A + P 1467305										
BROUGHT FORWARD											
TOTALS											

(OVER)

DATE _____

19__

ENGINE LOG

NS
BER OF
TRIES.)

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hours	Min.	Hours	Min.	Hours	Min.			
10-17-67	CHANGED OIL, Refilled with 7 QTS ARMO SHELL GRADE 80 S.A.C. #410 TALLY REAMS 739:67 July E June NEP 1734681										
BROUGHT FORWARD											
TOTALS											

(over)

DATE

RECORDING
TACH
TIME

19__

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hours	Min.	Hours	Min.	Hours	Min.			
I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr.</u> INSPECTION AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.										<u>7 qts. Acrosshell #40</u> <u>cleaned & gapped</u> <u>plugs, comp ck"</u> <u>#1-73, 2-75-3-75-4-75</u>	
DATE			TOTAL HOURS								
			<u>291.95</u>								
	<u>1722708</u>				<u>Sam Burk</u>						
	A & P No.				NAME						
					ROACH AIRCRAFT INC.						
					BROOMFIELD, COLORADO						
BROUGHT FORWARD											
TOTALS											

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	954.43			
CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>REGULAR</u> INSPECTION AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.				CLEARED GAPPED PUMPS - CHECKED COMPRESSION - DRAINED OIL ADDED 745 AEROSOL - 150. ALL A-D NOTES COMPLETED WITH TO THIS DATE.
DATE <u>5/29/67</u> TOTAL HOURS				
<u>133577</u> <u>Robert Foster</u>				
A & P No. NAME				
ROACH AIRCRAFT INC. BROOMFIELD, COLORADO				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				<p>I certify that this <u>Engine</u> has been inspected in accordance with a <u>Periodic</u> inspection and found airworthy.</p>
				<p>Date <u>5/28/68</u> <u>R. W. Wentzel</u></p>
				<p>Tach. Time <u>954:43</u> R. W. WENTZEL</p>
				<p>A. D. Compliance A & P 357665</p>
				<p>Thru <u>68-10</u> Insp. Auth.</p>
				<p><u>Airframe total time 1650:09 hrs</u> <u>Hours since major Remfg Eng: 349:22</u></p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-9	68	TACH	TIME	1060:34 ENGINE TIME SINCE BSMAP.
				455.9 - CLEANED SCREEN INSTALLED
				7.53 AEROSHELL #40
				Cullen Foster
				ATP 1335873
Feb	25, 1969	Tach	Time	1088.76 Oil change 7qt.
				aeroshell #40 swyn, Christel ATP 1766049

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
I CERTIFY THAT THIS	Engine			Tech 1128.65 - 7-17-69
HAS BEEN INSPECTED IN ACCORDANCE	WITH A 100 hr		INSPECTION	Repair gen. & replace gen.
AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.				mounts. Muffler is bad, new muffler on order. New spark plugs installed. Change oil refill 8 qts 50w Aeroshell. Install Service Letter kit for prop spinner M20-165.
DATE 7-17-69	TOTAL HOURS	1128.65		
A & P No. 2853985	NAME	Robert Taylor		
ROACH AIRCRAFT INC. BROOMFIELD, COLORADO				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
certify that this <u>Engine</u>				
has been inspected in accordance				
with a <u>Periodic</u> inspection				
and found airworthy.				
Date <u>7-18-69</u> <u>R. Wentzel</u>				
Tach. Time <u>1128:15</u> R. W. WENZEL				
A. D. Compliance <u>A & P 357665</u>				
Thru <u>69-13</u> Insp. Auth.				
<u>Total A/c Time 1824:31</u>				
<u>Time on Engine since O.H. 523:44 hrs</u>				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-22-70	TAC	12	46:42	2-11-70 aircraft tach reads 1250 hrs
REPLACED	TAC	SHAFT	AND	cleaned & chkd main oil screen,
CHECK	TAC	HEAD	2UBRO	and plugs comp chkd eng.
AS NECESSARY	RUN	UP		#1-78/80 #2-78/80 #3-78/80 #4-78/80
OK THIS DATE				changed oil 7 qts aeroshell 40 #
Clinton H Cooley				I CERTIFY THAT THIS engine.....
ATP 120577				HAS BEEN INSPECTED IN ACCORDANCE
END				WITH A ...100...hr..... INSPECTION
				AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.
				DATE 2-11-70 TOTAL HOURS 1250
				1174579 A. Otterday
				A & P No. NAME
				ROACH AIRCRAFT INC. BROOMFIELD, COLORADO

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
July 26, 1970			Tach. Time 13057	
				Change Oil with 9 qts AeroShell 50W, & cleaned screen.
				Compression test #1 27 #2 24 #3 26 #4 28. Replaced mixture
				control with new Mooney part P/N 660189-003.
				CIW Mooney S/L ¹²⁹⁻¹⁵² replacing
				exhaust system. Engine run
				up checked ok this date
			End	
				I CERTIFY THAT THIS <u>Engine</u>
				HAS BEEN INSPECTED IN ACCORDANCE
				WITH A <u>100 hr</u> INSPECTION
				AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION. Tach 13057
				DATE <u>7-27-70</u> TOTAL HOURS <u>700</u>
				<u>1947021</u> <u>Henry S. South</u>
				A & P No. NAME
				ROACH AIRCRAFT INC.
				BROOMFIELD, COLORADO

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-4-71	TAC		1405: 87 HRS	
CHANGED OIL	120 @ 11	7	QTS	I CERTIFY THAT THIS <u>Engine</u>
H. NO A 3205 H 111			M.	HAS BEEN INSPECTED IN ACCORDANCE
Clinton S Coakley				WITH A <u>100 hr.</u> INSPECTION
A & P 120577				AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.
			12 M D	DATE <u>3-15</u> TOTAL HOURS <u>1496</u>
				<u>1955985</u> <u>Rodney Tjeltveit</u>
				A & P No. NAME
				ROACH AIRCRAFT INC.
				BROOMFIELD, COLORADO
			8-15-71	Tach 1496
				change oil, refill 73 to <u>Arrowsell</u> 50W.
				Repair mag filler, replace sen. brush <u>Rodney Tjeltveit</u> A & P 1855985

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
<p>I CERTIFY THAT THIS <i>Aircraft</i> HAS BEEN INSPECTED IN ACCORDANCE WITH A <i>Annual</i> INSPECTION AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.</p>				
<p>DATE <i>8-16-71</i> TOTAL HOURS <i>1496</i></p>				
<p><i>JA 1339091</i> <i>William Flaming</i> A & P No. NAME</p>				
<p>ROACH AIRCRAFT INC. BROOMFIELD, COLORADO</p>				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
March 12, 1972			Tach Time 1592	Changed oil with 7 qts Aeroshell #50 W. Gauge Southern AEP #1942021
I CERTIFY THAT THIS Engine.....	HAS BEEN INSPECTED IN ACCORDANCE	WITH A 100 HR.....	INSPECTION	4 Aug. 1972 Tach. Time 1637. Changed oil, serviced with 8 qts. Aeroshell SAE #50. Compression ck.: #1- 78/80 #2- 77/80 #3- 76/80
DATE 4 Aug. 72..	TOTAL HOURS 1637	1969390	Winton E. Burn	#4- 78/80 Prop. dressed & painted. Tail pipe retainer replaced. Tightened loose oil line fitting from #3 cyl. Winton E. Burn AEP 1969390
A & P No.	ROACH AIRCRAFT INC.	BROOMFIELD, COLORADO	NAME	

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	8-31	-72	Tach	1649, Installed vacuum pump S.N. 1T193, Howard H. Lonnie AIP 1404105
	1/12/73	Tach	1656:41.	AD 71-5-2 Removed #2 cylinder & checked main bearings for shifting Paul H. Wilson AIP 1255028

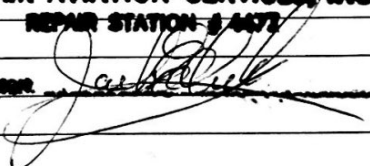
DATE 19 <u>73</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-8		GM		JAN 23, 1973 Total ENGINE since REMOVED
Tach Time	1673:00			1051.21 HRS. AD 71-5-2 C/w Para D Insp oil
Total Time	1068.0			* CHANGED OIL (TEXACO 50 ^W AD.)
I certify that this	ENGINE			* RETINED BOTH MAGS - INSTALLED POINTS & COND. (LT.)
has been inspected in accordance with a	100 HR.			* CLEANED PIPES - INSTALLED (NEW) COMPRESSION: 1 2 3 4 89/80 89/80 89/80 79/80
determined to be in airworthy condition.				* WASHED ENGINE - ALL SYSTEMS
Richard C. Juarez	Signed			SATISFACTORY. RCJ.
ASP			#1846681	

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
I certify that this <u>Em 9</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Total hrs <u>2866</u> Engine hours <u>1065</u> Name <u>Levy R. Knowles</u> Rating <u>1374 194-FA</u> Date <u>8-8-73</u>				Nothing on this page except Stamp, RPK

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Sept 1, 1974	100 HR	INSPECTION:	Changed Oil - Texaco 50W Compressor checked, points in mag checked replaced block in Rt mag - AD 73-7-4 will be due at 2000 HR engine time. - Replace #2 cyl rocker cover gasket, cleaned all spark plugs, replaced # 3, cyl plug lead - washed engine - and inspected for security - Tot Time 1194.0 (AIRPLANE TIME: 1799.55) Inspection carried out as per part 43 Appx D of the FAR's - Muller. next page	

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				<p>DATE: TOTAL TIME: TACH READING <i>Sept 1, 1974 1194.0 1749.55</i></p> <p>I CERTIFY THAT THIS AIRCRAFT/ ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH <i>100.170</i>.... INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p><i>[Signature]</i> C. BIEBERS AP. 1257853 JA</p>

DATE 19 <u>74</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4/8/	1869.9			CHANGED OIL (8 QTS. AEROSHELL 100W) CHECKED MAIN SCREEN - NO METAL FOUND. THE
				<p style="text-align: right;"> <i>Richard Perry</i> AIP # 1846681 Palomar Air Service </p>
12 May 75			Tach reads 1965.4	
installed			A.D. 75 09 15	N/A. Proper gasket fuel flow divider. Unit marked.
				<p style="text-align: right;"> <i>Dennis R. Brandner</i> AIP # P2231995 Palomar Air Service </p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/24/75	2038.38			CHANGED OIL + SPARK PLUGS K. R. ...
4/4/75	2050.99			- Checked & gapped L. Plugs - Replaced ign harness - Part # M-2864 - ✓
				JIMSAIR AVIATION SERVICES, INC REPAIR STATION # 6472
				MTR SIGN 

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10/14/75	2066	- AD	75-08-04	N/A due to Serial #
10/19/75	2066	- AD	75-07-05	COMPLETED WITH BY GEM AERO GILLESPIE FLD S.D. CA. DETAILS ON FILE UNDER W.O. 1307.
DETAILS OF THIS INSPECTION ON FILE UNDER W.O. 1307 <i>William B. Lewis</i>				I certify that this aircraft has been inspected in accordance with a <u>100 HR / ANNUAL</u> inspection and was determined to be in airworthy condition.
				JIMS AIR AVIATION SERVICES INC. REPAIR STATION # 1 & III SAN DIEGO, CALIF. 92111
				<i>William B. Lewis</i> Authorized Signature
				<u>10-14-75</u> Date <u>1461</u> Hrs. Total Time
				TRM 2066

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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19 <u>26</u>				
9-10	2150			Oil change, 8 qt Shell "100E" AGF AGF 313344
12-13	2266		1561	Oil change, 8 qt Texaco AD #50

Date 12-17-76 Total ~~Eng~~ Time 1561. I certify this / #1 = $\frac{78}{80}$, #2 = $\frac{70}{80}$, #3 = $\frac{80}{80}$, #4 = $\frac{78}{80}$
 Engine has been inspected in accordance with A. 7.2.1.4 Oil screen checked
 inspection and was determined to be in airworthy condition.
 Signature [Signature] A&P No. 313344 I.A. OK - No Metal Per 71-05-02

ENGINE - Drained oil, cleaned screens, checked & cleaned spark plugs, Replaced #3 Exhaust gasket & studs.
 checked compression, checked fuel system, drained sumps, checked Replaced oil radiator hoses with
 starter and generator brushes, checked mags and timed properly. #8 Hi-pres. Hose
 checked prop for leaks and grease. Functionally checked engine.
 Misc. Minor repairs to cowl bracing etc.
 See back page for AD Compliance on engine.

DATE 1928	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Date Feb 10 1978			Total Aircraft ^{Eng.} Time 1598	I certify this AD 71-05-02 ^{C/W} Inspection for contaminants. has been inspected in accordance with a annual inspection and was determined to be in airworthy condition.
Signature			A & P No. 313344 I.A.	
ENGINE	- Drained oil, cleaned screens, checked & cleaned spark plugs,			#1 = $\frac{78}{80}$, #2 = $\frac{78}{80}$, #3 = $\frac{65}{80}$, #4 = $\frac{78}{80}$ Replace crank shaft seal Repaired L.H. Magneto

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7-20-78	Tech	Time	2250	Replaced Bendix RSA-5AD1 fuel injection servo with exchange overhead unit. Engine run-up O.K. J. J. Gallagher A/P 2166493
9-12-78	Tech	time	2261	changed oil - 7qts Aero Shell 100W - cleaned screen & found O.K. repaired loose baffles and visually inspected engine. Run-up O.K. J. J. Gallagher A/P 2166493
12-6-78	Tach	2797.12		oil changed 7qts Aero Shell 100 C. H. Helms Jr. A/P 1004483

